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UNITED STATES OF AMERICA

18 January 2000

INTELLECTUAL PROPERTY LAW

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☐ Via Facsimile No. _____
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☐ Please Acknowledge Receipt
Attorney Docket: P55955

Sir:

Submitted herewith is the following patent application:

Inventor: 1) KEUN-HO SHIN

Title: OPTICAL FILTER AND APPARATUS AND METHOD FOR
MONITORING OPTICAL CHANNEL USING THE OPTICAL
FILTER

Please find attached hereto an application for patent which includes: Specification and Abstract,
Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the
foreign priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 1 sheet, Figures 1 through 3

Claim of priority under 35 U.S.C. §119: **YES**

** The Republic Of Korea Application No. 1260/1999 filed on 18 January 1999.

FEE (see formula below): CHECK IS ENCLOSED (#34526)

Basic Fee \$345/690 **\$690.00**

Additional Fees:

Total number of claims in excess of 20: ____ times \$9/18 . **\$0.00**

Number of independent claims in excess of 3: ____ times \$39/78 **\$0.00**

Multiple Dependent Claims \$130/260 **\$0.00**

An Assignment is likewise enclosed: Recording Fee \$40 .. **\$0.00**

Filing Non-English specification **\$0.00**

TOTAL FEES FOR THE ABOVE APPLICATION **\$690.00**

01/18/00



PTO/SB/17 (2/98)

Approved for use through 9/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§1.27 and 1.28.

Complete If Known

| | |
|----------------------|-----------------|
| Application Number | to be assigned |
| Filing Date | 18 January 2000 |
| First Named Inventor | KEUN-HO SHIN |
| Examiner Name | to be assigned |
| Group/Art Unit | to be assigned |
| Attorney Docket No. | P55955 |

TOTAL AMOUNT OF PAYMENT

(\$)**690.00**

METHOD OF PAYMENT (check one)

1. ☐

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: **02-4943**

Deposit Account Number: _____

- ☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17. ☐ Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance.

2. ☒ Payment Enclosed: (CHECK #34526)

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 101 | 690 | 201 | 345 | Utility filing fee | \$690.00 |
| 106 | 310 | 206 | 155 | Design filing fee | \$ |
| 107 | 480 | 207 | 240 | Plant filing fee | \$ |
| 108 | 690 | 208 | 345 | Reissue filing fee | \$ |
| 114 | 150 | 214 | 75 | Provisional filing fee | \$ |

SUBTOTAL (1) (\$)**690.00**

2. EXTRA CLAIM FEES

| | | | Extra Claims | Fee from below | Fee Paid |
|--------------------|----|---------|--------------|----------------|----------|
| Total claims | 16 | -20** = | x | = | |
| Independent Claims | 3 | -3** = | x | = | |
| Multiple Dependent | | | | = | |

** or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 78 | 202 | 39 | Independent claims in excess of 3 |
| 104 | 260 | 204 | 130 | Multiple dependent claim, if not paid |
| 109 | 78 | 209 | 39 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)**.00**

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------------|-----------------------|-----------------------|-----------------------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge-late filing fee or oath | \$ |
| 127 | 50 | 227 | 25 | Surcharge-late provisional filing fee or cover sheet | \$ |
| 139 | 130 | 139 | 130 | Non-English specification | \$ |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | \$ |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | \$ |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | \$ |
| 115 | 110 | 215 | 55 | Extension for reply within first month | \$ |
| 116 | 380 | 216 | 190 | Extension for reply within second month | \$ |
| 117 | 870 | 217 | 435 | Extension for reply within third month | \$ |
| 118 | 1,360 | 218 | 680 | Extension for reply within fourth month | \$ |
| 128 | 1,850 | 228 | 925 | Extension for reply within fifth month | \$ |
| 119 | 300 | 219 | 150 | Notice of Appeal | \$ |
| 120 | 300 | 220 | 150 | Filing a brief in support of an appeal | \$ |
| 121 | 260 | 221 | 130 | Request for oral hearing | \$ |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | \$ |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | \$ |
| 141 | 1,210 | 241 | 605 | Petition to revive - unintentional | \$ |
| 142 | 1,210 | 242 | 605 | Utility issue fee (or reissue) | \$ |
| 143 | 430 | 243 | 215 | Design issue fee | \$ |
| 144 | 580 | 244 | 290 | Plant issue fee | \$ |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | \$ |
| 123 | 50 | 123 | 50 | Petitions related to provisional applications | \$ |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Statement | \$ |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (Times number of properties) | \$ |
| 146 | 690 | 246 | 345 | Filing a submission after final rejection (37 C.F.R. §1.129(a)) | \$ |
| 149 | 690 | 249 | 345 | For each additional invention to be examined (37 C.F.R. §1.129(b)) | \$ |
| Other Fee (specify) _____ | | | | | \$ |
| Other Fee (specify) _____ | | | | | \$ |

** Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$**0.00**

SUBMITTED BY

Complete (if applicable)

| | | | |
|-----------------------|--------------------------|-------------------------|-----------------|
| Typed or Printed Name | Robert E. Bushnell, Esq. | Reg. Number | 27,774 |
| Signature | | Date | 18 January 2000 |
| | | Deposit Account User ID | |

REB/sb

Assistant Commissioner for Patents
18 January 2000
Page Two

Docket No.: P55955

Inventor: 1) KEUN-HO SHIN

Title: OPTICAL FILTER AND APPARATUS AND METHOD FOR
MONITORING OPTICAL CHANNEL USING THE OPTICAL
FILTER

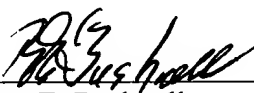
Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
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REB/sb

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KEUN-HO SHIN

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 18 January 2000

Art Unit: *to be assigned*

For: OPTICAL FILTER AND APPARATUS AND METHOD FOR MONITORING
OPTICAL CHANNEL USING THE OPTICAL FILTER

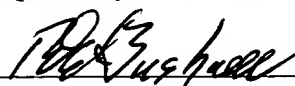
TRANSMITTAL OF DECLARATION

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

This transmittal accompanies the original Declaration for the above-referenced application.

Respectfully submitted,



Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

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Folio: P55955
Date: 1/18/00
I.D.: REB/sb

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